

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Riverside County Renewable Energy Planning

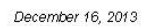
Riverside County Planning Department
Cindy A. Thielman-Braun
Project Manager

Riverside County – Regional Setting



7,400 square miles
Population 2.2 million

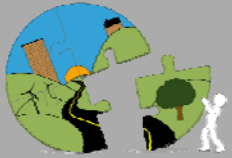
Figure 1.1



Disclaimer: Maps and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.



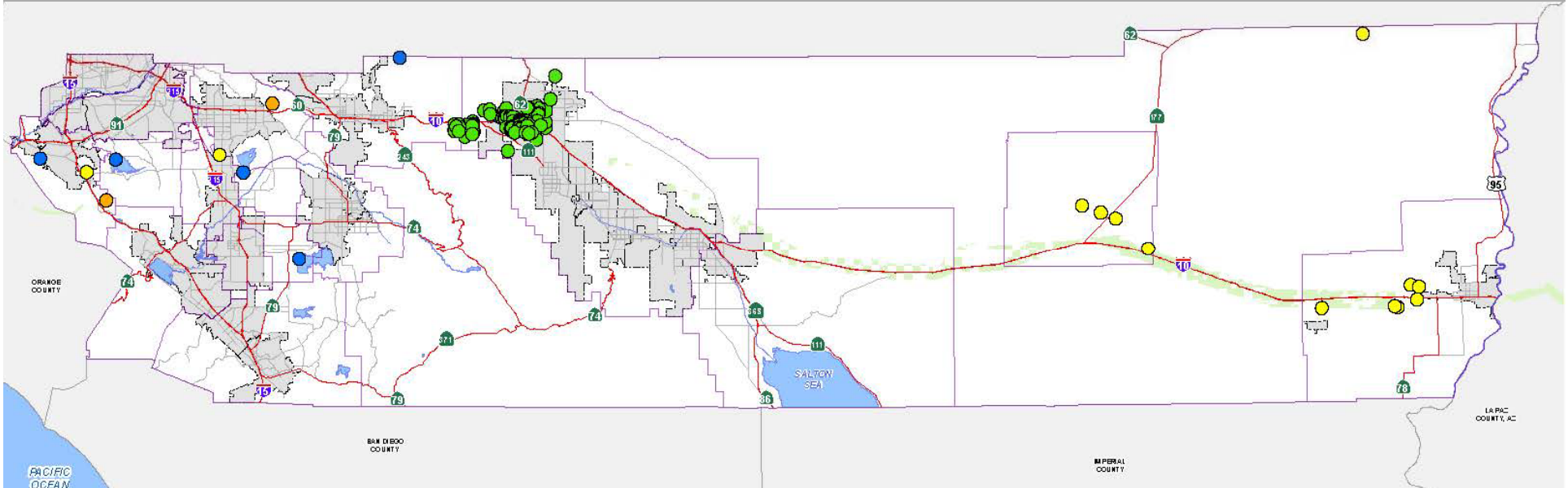
REGIONAL LOCATION
RIVERSIDE COUNTY



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Riverside County – Existing Facilities

76 Total Facilities In-County Production = 3,776 MW



Renewable Energy Facilities

Orange Biomass

Blue Hydro

Yellow Solar

Green Wind

Light Green Energy Right-of-Way Corridors

Fossil Fuel (18 oil / gas facilities) **2,317 MW**

Hydroelectric (10 facilities) **62 MW**

Bioenergy (1 biomass/ag/wood, 1 landfill gas, 1 mixed) **52 MW**

Wind (36 WECS farms / facilities) **636 MW**

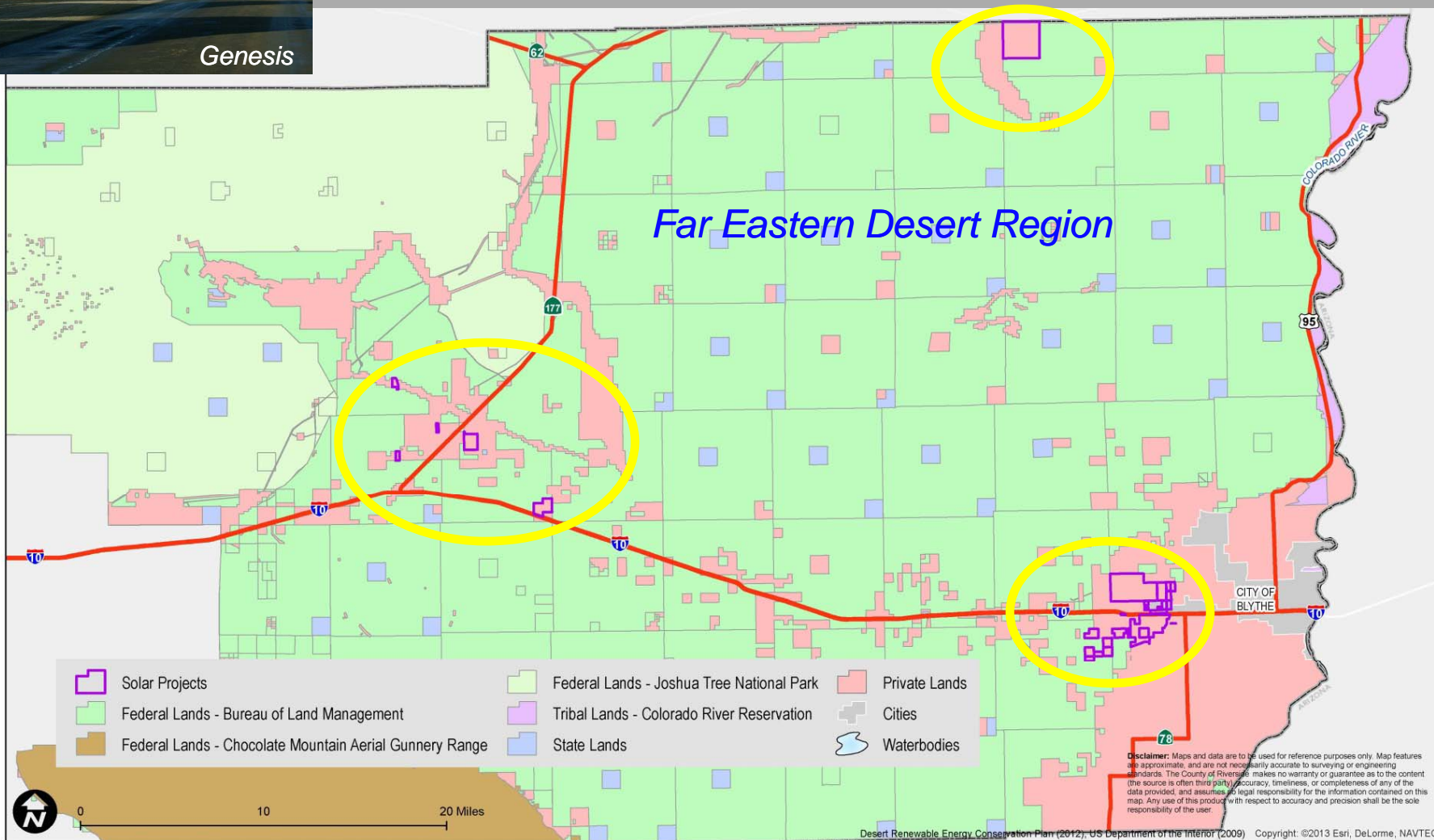
Solar (9 photovoltaic, 1 concentrated (trough)) **709 MW**

Source: 2013 California Energy Almanac

Commercial Solar Facilities



Genesis



- 9 Photovoltaic (65 MW average size)
- 10 facilities, 709 MW total (2013)
- 1 Parabolic trough (Genesis, 125 MW)
- All developed since 2006



CEC Grant Effort

Expanding & Coordinating Eligible Renewable Energy Resource Development (eRED) in Riverside County

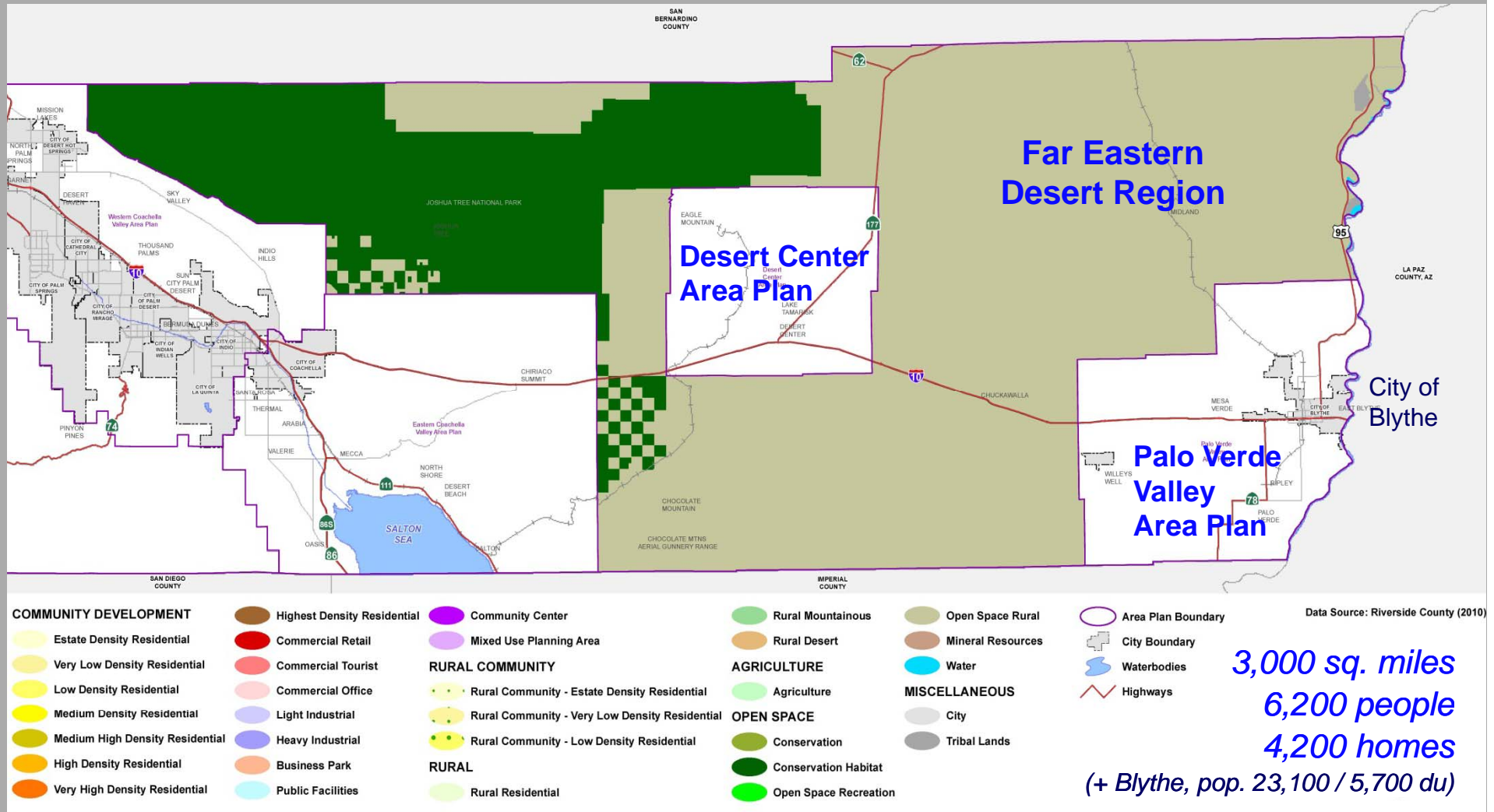
Key Objectives:

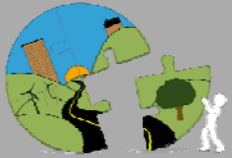
- *Identify eRED opportunities and constraints in Riverside County.*
- *Amend Riverside County General Plan to further eRED planning, coordination and implementation*
- *Develop specific products for key eRED areas:*
 - *Salton Sea (geothermal & other eRED)*
 - *Far Eastern Desert (commercial solar; DRECP coordination)*



Commercial Solar Coordination

Far Eastern Desert Region





Salton Sea Potential

Geothermal Potential

California Known Geothermal Resource Areas (KGRA)



California Energy Commission
Systems Assessment & Facilities Siting Division
Cartography Unit
www.energy.ca.gov

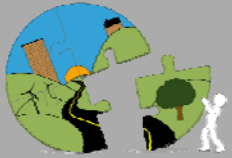
To inquire about ordering this map or information on
other types of maps call the map line at (916) 654-4182 or
E-Mail: JGILBREA@ENERGY.STATE.CA.US

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- Salton Sea hosts sites in Imperial County
- Potential for future siting?
- Aquaculture use



Geothermal electricity
production at the Salton Sea,
California

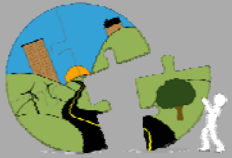


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Website

Riverside County Planning Dept. – <http://planning.rctlma.org>

The screenshot displays the Riverside County Planning Department website. The browser address bar shows <http://planning.rctlma.org/>. The website header includes the Riverside County logo, the text "RIVERSIDE COUNTY VISIT US AT: www.CountyofRiverside.us", a "Select Language" dropdown, and a "Choose a department" dropdown. The main navigation bar lists: Zoning Information, Development Process, Project Information, Specific Plans, General Information, and Contact Us. The central content area features a large banner with the Riverside County Planning Department logo and a "Climate Action Planning" diagram. The diagram consists of six steps in a circular flow: Step 1: Inventory GHG Emissions (red), Step 2: Adopt a Target (green), Step 3: Develop a Climate Action Plan (purple), Step 4: Implement Policies (blue), Step 5: Monitor and Track Progress (orange), and Step 6: Recognize Achievement (dark blue). Below the banner are four service links: General Plan & Zoning, Forms and Applications, Public Hearings, and Parcel Information. The background of the banner shows wind turbines and solar panels being installed by a worker.



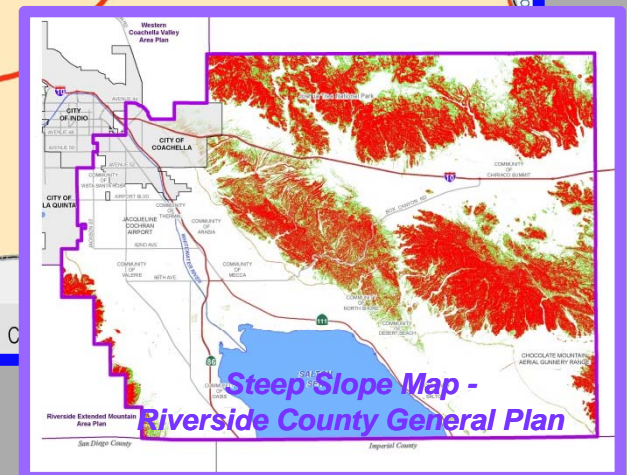
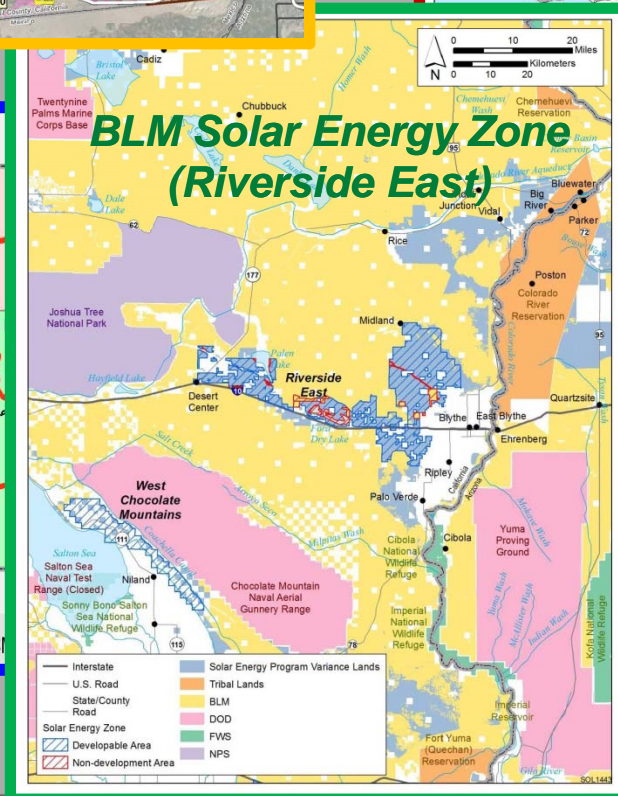
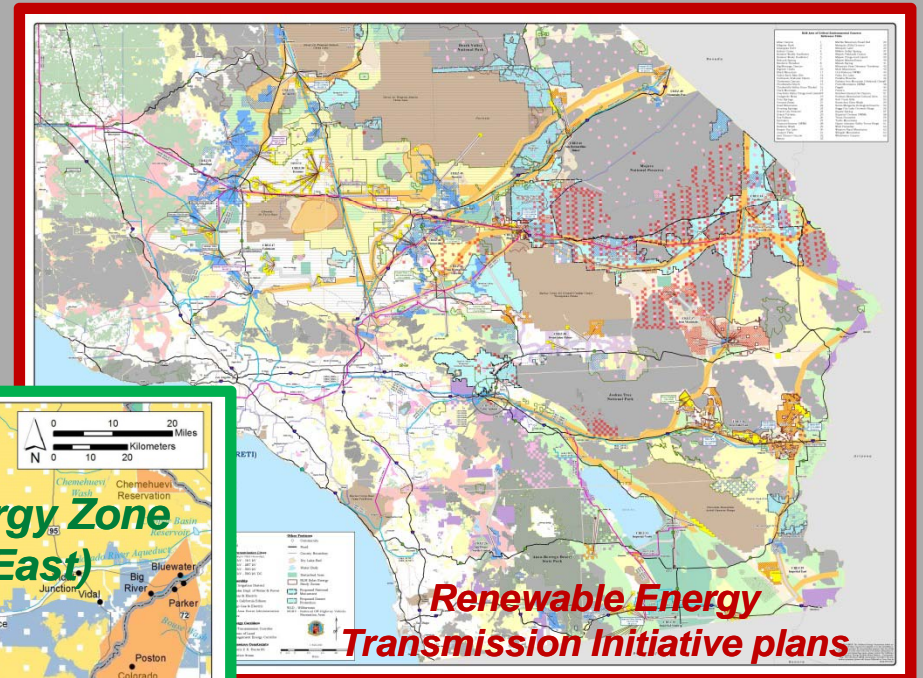
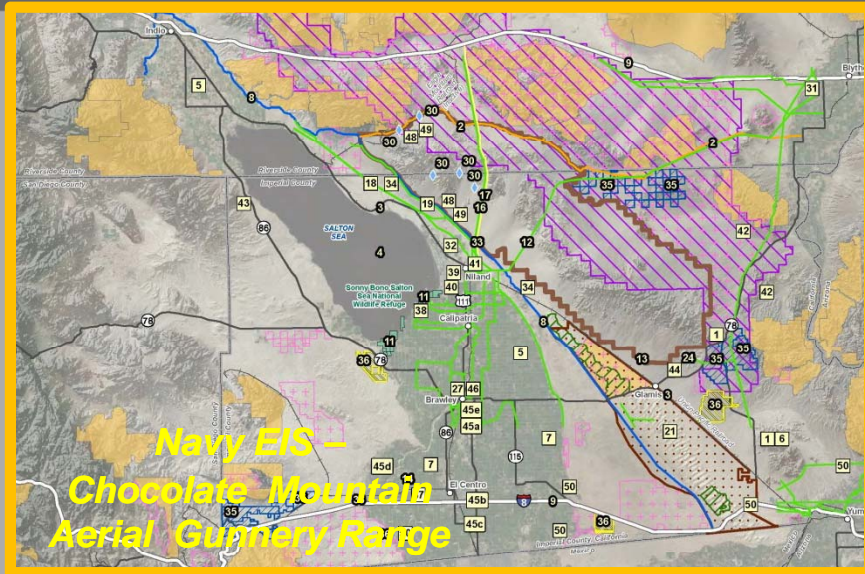
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GIS Data Online

Riverside County's "Map My County" (not yet public)

A screenshot of the "Map My County" web application interface. The browser address bar shows the URL: http://webintprod.agency.tlma.co.riverside.ca.us/MMC_View/Viewer.html?Viewer=MN. The application title is "Map My County - Riverside County". A search bar at the top right contains the text "Search for map features...". Below the title bar is a navigation menu with tabs: "Navigation, Search & Reports", "Maps & Data Sources", "Tasks", and "Analysis". The "Navigation, Search & Reports" tab is active, showing a toolbar with icons for "Pan", "Zoom In", "Zoom Out", "Full Extent", "Previous Extent", "Next Extent", "Point Identify", "Parcel Select", "Parcel Multi-Select", "Search", "Single APN Report", "Jump to a map bookmark...", "Help", and "What's This?". The map area displays a topographic map of Riverside County with yellow parcel boundaries and blue water bodies. A scale bar in the bottom left indicates 25 miles and 25 kilometers. A latitude and longitude display is also present. The bottom right corner shows a zoom level of 166%.

A multitude of riches...





Coordinating Data & Plans

Planning for Eligible Renewable Energy Resource Development (eRED) in Riverside County

Present Issues:

- *“Many maps, few plans:” Prioritizing available data.*
- *Recognizing key data; also, “what we have versus what we need.”*
- *Differentiating among numerous data sources, particularly where data conflict.*
- *Coordinating county plans against “moving targets” – plans under preparation by other agencies, particularly multi-agency efforts (DRECP, etc.) (“Rowing in the same direction.”)*



Thank you!

